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Antiferromagnetism, Magnetic moments, Magnetic
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Magnetism, *Grains (Metallurgy), Magnetic fields,
Magnetic moments, Magnetic susceptibility.

(Physics--Magnetism; TT, v. 7, no. 8)

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*Grains (Metallurgy), Thickness, Magnetic fields,
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(p. 165-178)

Unedited rough draft trans. from mono. Astrometri-
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27-30 May 58. Trudy, Moscow, 1960. (Abstract
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DESCRIPTORS: *Astronomy, *Stars, Measurement,
Errors

In the case of the meridian circle of Engelhardt Ob-
servatory, the combining of the observations for each
position of the objective and ocular does not improve
the declinations in a systematic way. Interchanging the
ocular and objective does not eliminate instrument
(Astronomy, TT, v. 11, no. 5)
(over)

TT-64-13176 (p. 165-178)

- I. Nefed'eva, A. I.
- II. ~~FTD-TT-62-959~~
- III. ~~FTD-TT-62-959~~
(p. 165-178)
- IV. Foreign Tech. Div.,
Air Force Systems
Command, Wright-
Patterson AFB, Ohio

Office of Technical Services

flexure. If there is a sufficient number of stellar observations in some fundamental catalog then observations may be reduced to this catalog by representing the differences between the declinations and the fundamental catalog in the form of certain mathematical expressions, as was done by T. A. Banakhevich in processing M. A. Gerashev's observations. In this work it was shown that reductions to a fundamental catalog can be accomplished more easily with the aid of graphs. The accuracy of one declination determination depends mainly on the accuracy of the circle and micrometer readings, on the accuracy of refraction calculations, and, to a lesser extent, on the method of observation. The differential method of processing observations, for all practical purposes, does not give improved results over the absolute method. (Author)

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DESCRIPTIONS: *Astronomy, Stars, Moon, Rotation,
Extraterrestrial topography, Astronomical geodesics

(Astronomy, TT, v. 11, no. 5)

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DESCRIPTORS: *Moon, *Astronomical cameras,
*Photography, Astronomy,

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